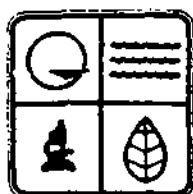


WMP

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MISSOURI DEPARTMENT OF NATURAL RESOURCES

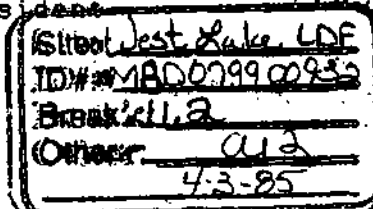
P.O. Box 176 Jefferson City, Missouri 65102 (314) 751-3443

3.600 St. Louis County
West Lake Sanitary Landfill

RECEIVED

Mr. William J. McCullough, President
West Lake Landfill, Inc.
13570 St. Charles Rock Road
Bridgeton, MO 63044

APR 3 1985



Dear Mr. McCullough:

An inspection of the condition and operation of the West Lake Inc. Sanitary Landfill was conducted on March 14, 1985. The recommendations contained in this report are based on the findings made at the time of inspection. Please direct your attention to these findings and carry out the presented recommendations.

FINDINGS:

1. Sufficient intermediate cover is lacking.
2. Wind scattered litter was present.
3. Pumping of leachate from the collection well has been temporarily discontinued.
4. The gas collection/destruction system was shut down during the inspection.

DISCUSSION:

During the inspection the landfill working face was in good condition with adequate spreading and compaction being achieved. Solid waste was being incorporated into the working face at the west section of the landfill with the operation progressing towards the quarry slope. Filling will soon begin on the final elevation and completion is anticipated in about two months.

Exposed refuse was observed over the east section of the landfill and the west slope. Intermediate cover is lacking on these areas. Wind scattered litter was also present over the northeast section of the landfill.

Pumping of leachate from the collection well has been discontinued until the final lift is complete and permanent piping is installed. The Number 1 polishing cell at the mechanical treatment plant is still under repair. The other two (2) cells which continue to receive water from the leachate holding lagoon appeared to be in good condition.

40249192

John D. Ashcraft



DNR 0073

Leachate continues to enter the active pit but according to the operator a significant decrease in the volume has been noted over the past several months. Collected leachate in the quarry pit continues to be maintained separate from uncontaminated surface water. The spring at the southeast corner of the quarry is still flowing into the pit despite an increased effort to stop it by grouting.

The gas collection/destruction system was not functioning due to repair work. The system is expected to be back on line within a week. No decomposition gas odors were detected during the inspection.

RECOMMENDATIONS:

1. Provide additional intermediate cover where needed.
2. Take necessary action to collect and control wind scattered litter.
3. Resume pumping leachate from the collection well as soon as possible.
4. Resume full operation of the gas collection/destruction system as soon as possible.

Should you have any questions concerning this inspection report, please contact Joe Haake at the St. Louis Regional Office.

Prepared by:

F. Donald Maddox

F. Donald Maddox
Regional Administrator
St. Louis Regional Office

Mike Duvall

Joe Haake *for*
Environmental Specialist
St. Louis Regional Office

FDM/JH/be

CC: Central Office, Waste Management Program
St. Louis County Health Department
City of Bridgeton

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY

Aerial Inspection ☐
Inspection ☒

SANITARY LANDFILL SURVEILLANCE RECORD

Date: 3-14-85 Days/Week Open: 6

Name of Sanitary Landfill: WEST LAKE LANDFILL, INC.

Permit No: _____ County: ST. LOUIS

Owner: WEST LAKE LANDFILL, INC. Operator: VERNON FEHR

Address: RT. 1 BOX 206 Address: 13570 ST. CHARLES ROCK RD.
BRIDGETON 63042 BRIDGETON 63042

I. Special Conditions and Approved Modifications

A. Are there any special conditions or approved modifications of the satisfactory compliance subsections of the rules and regulations? (e.g. impermeable barrier, limited excavation, exceptions to daily cover requirements)
X Yes _____ No

B. Is the sanitary landfill operation in compliance with the special conditions or approved modifications? (If "No," describe violations under "REMARKS.")
X Yes _____ No

II. Check Types of Waste Accepted

	INDICATED ON PERMIT APPLICATION	REPORTED BY OPERATOR	AS OBSERVED
Municipal solid waste	<u>X</u>	<u>X</u>	<u>X</u>
Bulky waste	<u>X</u>	<u>X</u>	<u>X</u>
Dead animals			
Incinerator residue			
Demolition and construction waste	<u>X</u>	<u>X</u>	<u>X</u>
Brush and untreated wood waste	<u>X</u>	<u>X</u>	<u>X</u>
Septic tank pumpings	<u>X</u>	<u>X</u>	
Wastewater treatment plant sludges	<u>X</u>	<u>X</u>	
OTHER SLUDGES (SPECIFY)			
LIQUIDS (SPECIFY)			
INDUSTRIAL PROCESS WASTES (SPECIFY)			
HAZARDOUS WASTES (SPECIFY)			
OTHER WASTES (SPECIFY)			

RECEIVED

APR 3 1985

III. Remaining Life of Landfill

A. Estimated amount of solid waste coming through gate.
Compacted loads ~2,500 yds/wk _____ tons/wk
Noncompacted loads _____ yds/wk _____ tons/wk

B. Estimated volume of remaining landfill covered by approved engineering plans.
_____ acre feet 2 MONTHS
YEARS

INSPECTION FORM
DISTRIBUTION LIST

Owner X
Operator X
City BRIDGETON
County Court _____
Consulting Engineer _____
Solid Waste Program X
Regional Office File X
Others COUNTY HEALTH

IV. Satisfactory Compliance Subsections Regulations 80-3.010

Check all subsections: SAT — Satisfactory; UNS — Unsatisfactory. (If necessary describe "UNS" violations under "Remarks.")

SUBSECTION NUMBER	SATISFACTORY COMPLIANCE OPERATING PROCEDURE	SAT	UNS
(2) SOLID WASTE ACCEPTED			
(2)(C)2	Bulky solid waste crushed on solid ground and pushed onto working face near bottom of the cell.	X	
(2)(C)3	Small dead animals covered immediately with soil or solid waste. Large dead animals placed in pit and covered with four feet compacted soil.		
(2)(C)4	Disposal of dewatered sludges on working face along with municipal solid waste.	X	
(2)(C)5	Incinerator and air pollution control residues prevented from becoming airborne.	X	
(3) SOLID WASTE EXCLUDED			
(3)(C)1	No unpermitted waste accepted.	X	
(3)(C)2	Sign posted at entrance listing excluded wastes.	X	
(4) SITE SELECTION			
(4)(C)1	Site accessible in all weather conditions. Temporary roads provided for delivery to working face.	X	
(6) WATER QUALITY			
(6)(C)1	Surface water courses and runoff properly diverted from the landfill. Sanitary landfill construction and grading to promote rapid surface water runoff without excessive erosion.	X	
(6)(C)2	Leachate collection and treatment systems utilized where necessary to protect ground and surface water resources.	X	
(6)(C)3	No ground or surface water in contact with solid waste.	X	
(7) AIR QUALITY			
(7)(C)	No open burning without written permission of the proper air pollution agency and the Division.	X	
(8) GAS CONTROL			
(8)(C)	Implementing decomposition gas control plan as necessary to prevent problems.	X	
(9) VECTORS			
(9)(C)	Vector control programs implemented when necessary to prevent or rectify vector problems.		
(10) AESTHETICS			
(10)(C)1	Litter control devices utilized near working face and elsewhere as needed. Litter collected from fences, and the ground surface, and incorporated into the daily cell at the end of each day or containerized.		X
(10)(C)2	Wastes easily moved by wind covered as necessary to prevent their becoming airborne and scattered.	X	
(10)(C)3	On-site vegetation and natural windbreaks being utilized to improve appearance and operation of the sanitary landfill.	X	

SUBSECTION NUMBER	SATISFACTORY COMPLIANCE OPERATING PROCEDURE	SAT	UNS
(10) AESTHETICS (Continued)			
(10)(C)4	Salvaged materials removed daily or stored in aesthetically acceptable containers or enclosures.	X	
(11) COVER MATERIAL			
(11)(C)1	Daily cover applied regardless of weather in not less than a six inch layer. Cover material available in all weather conditions.	X	
(11)(C)2	Intermediate cover applied to all areas idle for more than 60 days in a layer not less than one foot after compaction.		X
(11)(C)3	Final cover applied on each area as completed in a layer not less than two feet after compaction.	X	
(12) COMPACTION			
(12)(C)1	Adequate equipment on-site, operated daily.	X	
(12)(C)1A	Solid waste spread in layers not to exceed two feet and confined to smallest practical area.	X	
(12)(C)1B	Wastes compacted to smallest practical volume.	X	
(12)(C)1C	Cover material compacted as much as practical.	X	
(12)(C)2	Preventive maintenance performed.	X	
(12)(C)3	Daily task operating manual provided.		
(13) SAFETY			
(13)(C)1	Fire extinguishers provided on oil equipment.	X	
(13)(C)2	Provisions for extinguishing fires in waste, equipment, and structures.	X	
(13)(C)3	Communication equipment available.	X	
(13)(C)4	Scavenging prohibited.	X	
(13)(C)5	Controlled access to site by established roadways and limited to hours when operating personnel are on duty.	X	
(13)(C)6	Traffic controlled and directed to designated disposing points.	X	
(13)(C)7	Site dust controlled for safety purposes and to prevent nuisances.	X	
(14) RECORDS			
(14)(C)1A	Records of major problems and complaints.	X	
(14)(C)1B	Monitoring record maintained. a. leachate sampling and analyses. b. gas sampling and analyses. c. ground and surface water analyses.	X	
(14)(C)1C	Records of vector control efforts.		X
(14)(C)1D	Records of dust and litter control efforts.	X	
(14)(C)1E	Records of quantity of waste handled.	X	
(14)(C)1F	Records of description, sources, and volume of special wastes listed in Subsection (3)(A).	X	

V. Operation Proceeding in Accordance with Approved Engineering Plans? (If "NO," describe violations under "Remarks.")

X Yes No

REMARKS INTERMEDIATE COVER LACKING IN SOME AREAS. WIND SCATTERED
LITTER PRESENT. PUMPING OF LEACHATE TEMPORARILY DISCONTINUED
FROM COLLECTION WELL. GAS COLLECTION/DESTRUCTION SYSTEM
DOWN FOR REPAIRS.

(Attach additional sheets as necessary.)

BY



SIGNATURE OF INVESTIGATOR